



A Decade of Radiating Hope: Lessons Learned, Obstacles and Opportunities

Peter Sandwall, PhD

Radiating Hope

OhioHealth



Obstacles *are* Opportunities



Mt. Everest Basecamp



Mt. Kilimanjaro



Larry Daugherty, MD (AK)



Brandon Fisher, DO (UT)

- For adventurers, facing the challenge is joy...



Machu Picchu



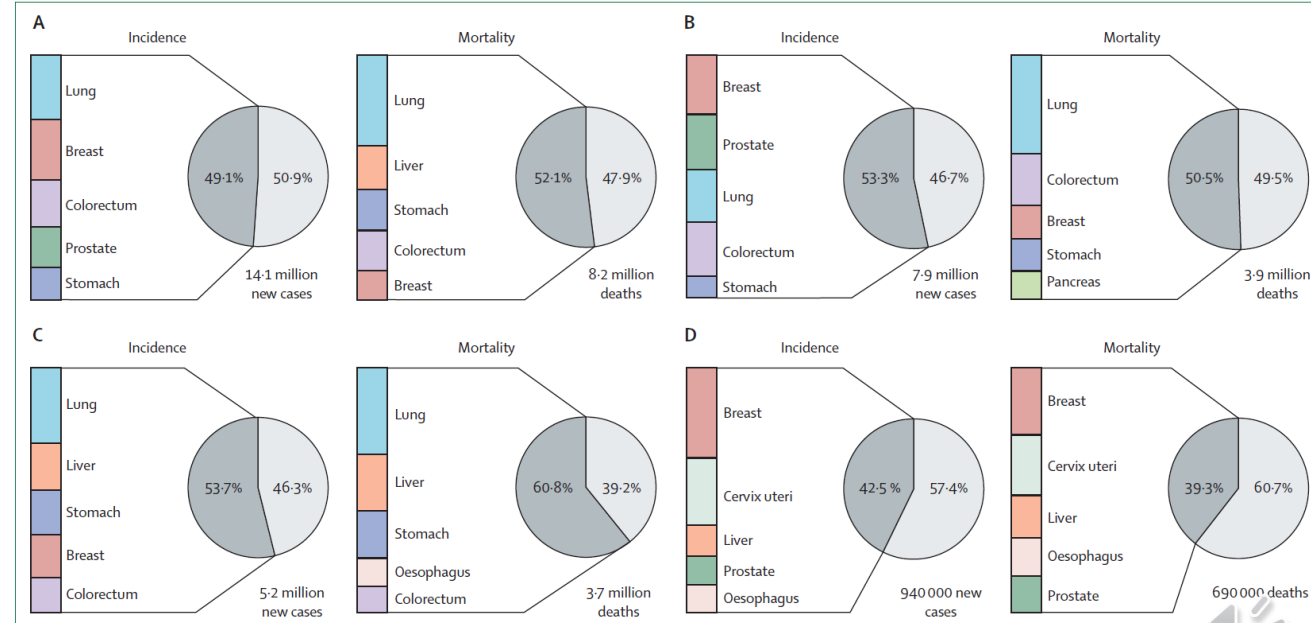
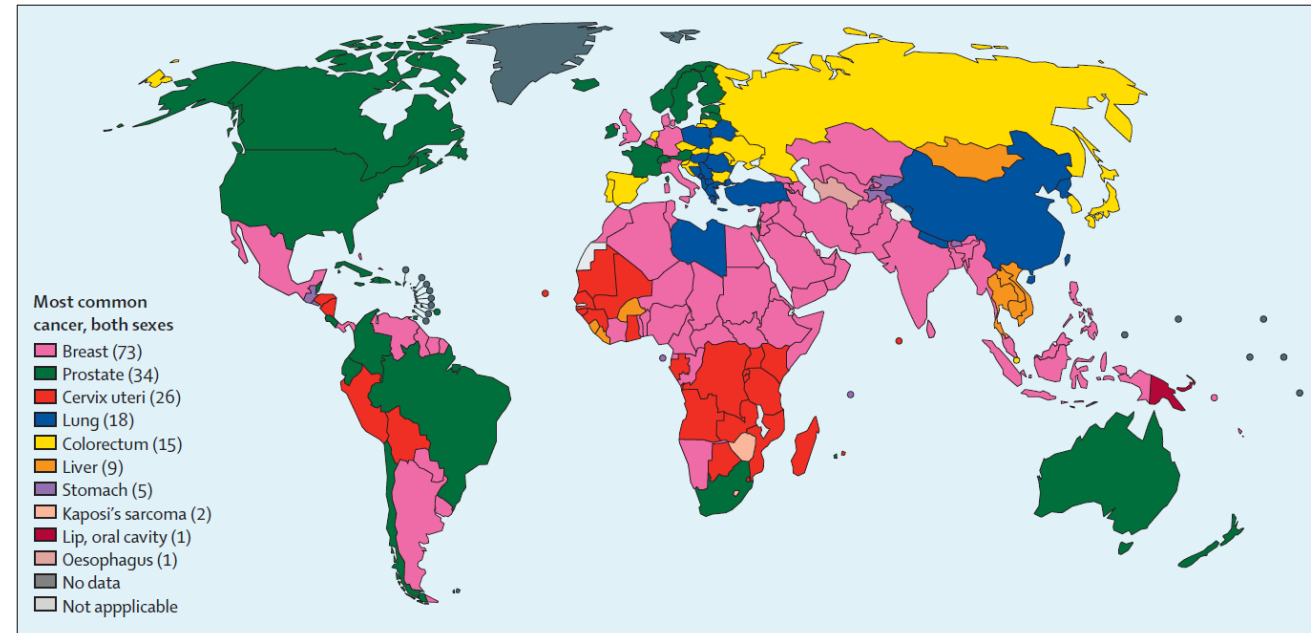
Matt Goss (AHN) in Bolivia

Global Health is an opportunity to make an impact...

Most frequent cancer vary with country, the most common:

Breast, Prostate, Cervix, and Lung...

Amenable to treatment with Radiation Therapy



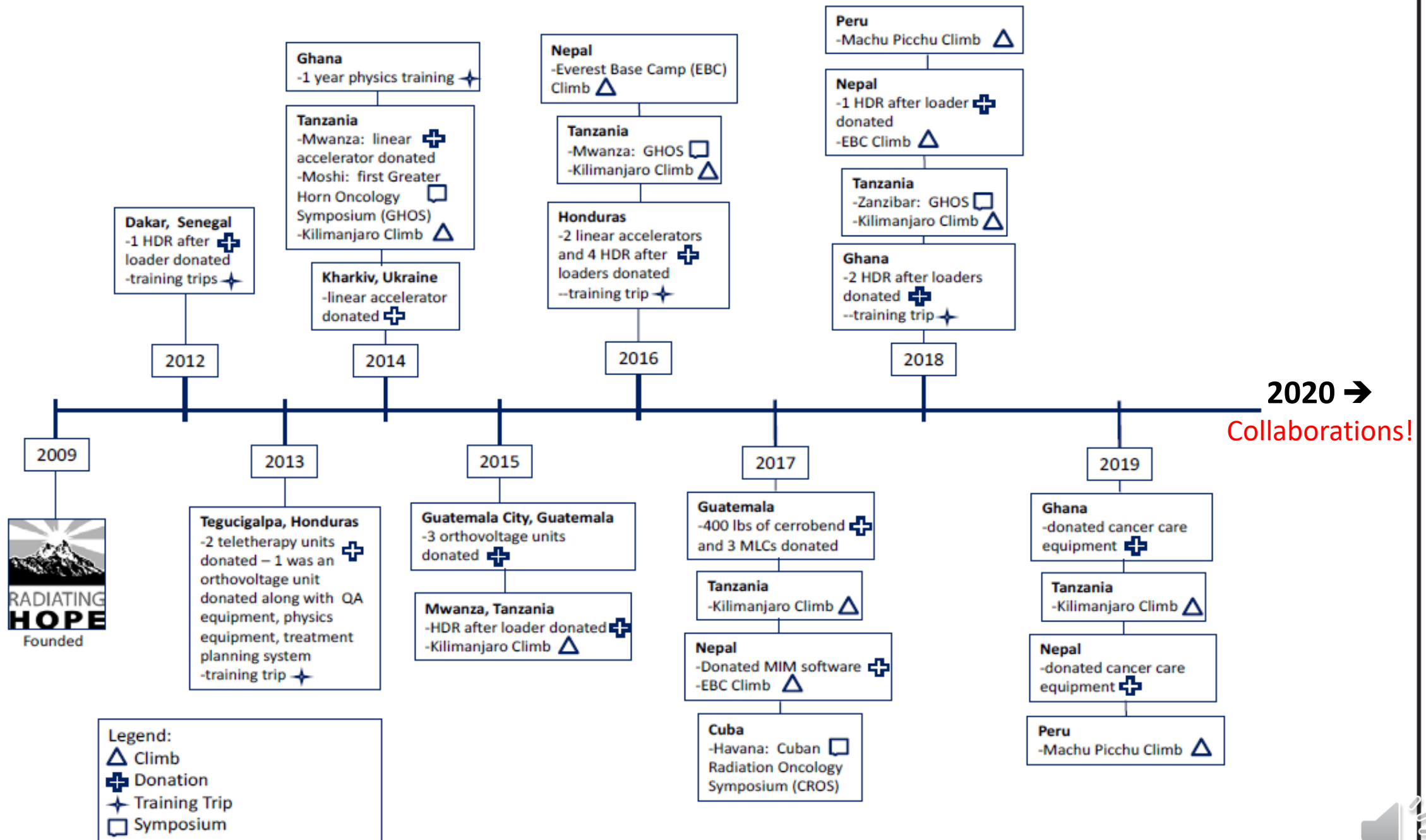


FIGURE 2. A timeline outlining many of RadiatingHope's projects over the past 10 years



RadiatingHope, est. 2009

- Operating in several spheres,
 - Initiated with a focus on **equipment donation**, education, and training...
- Evolved into a successful **advocacy** group and organizer of international Oncology Symposiums
- Projects in Guatemala, Honduras, Panama, Peru, Chile, Ukraine, Nepal, Senegal, Ghana, Nigeria, Zimbabwe, Tanzania, Kenya, Madagascar...



Greater Horn Oncology Symposium (GHOS)
Zanzibar, Tanzania



John Einck (UCSD) and Ashley Cogswell (Elekta)
ASTRO 2019

Lessons Learned

- Equipment donation is only the first step!



Dr. Ed Hughes in Dayton, Ohio



Riggers



Craters



Freighters



Shippers

- Each step is critical in successful transfer...
 - Poor Riggers, Craters, Freighters, or Shippers can easily ruin the equipment



Lessons Learned

- Just because it is a “need”, doesn’t mean the infrastructure or resources are available to deploy
- Site visits are important; however, you don’t know, what you don’t know ...



Tom Ladd and Mira Shah
Ocean Road Cancer Institute,
Dar Es Salaam, Tanzania



Rwanda Military Hospital



Liga Nacional Contra el Cancer, Guatamala



Kilimanjaro Christian Medical Center,
Moshi, Tanzania

Lessons Learned

- Lack of equipment presents as a *visible* opportunity, but it is only a symptom and must be understood...
- Follow-up is important, **developing relationships** is key and *always* takes time...
- Investment, creates value.



Dan Scanderbeg (UCSD) in Nepal



Conny Vrieling and team in Senegal



Marcus Catu in Guatemala



Lessons Learned

- ***“Relationship is the driver of change.”***
 - Think of who made you who you are. It was probably a parent, a teacher, or a mentor.
 - It wasn't some organization that was seeking a specific and measurable outcome that can be reduced to metrics. It wasn't a person looking to create a system of change that could scale.
 - It was just a person doing something intrinsically good – making you feel known, cared for, trusted, unconditionally loved – without presuming to know how that relationship would alter the trajectory of your life.” [or theirs]

David Brooks, *The Second Mountain*



Daniel Umana, Marty Shapiro, Julio Alveranga
San Pedro Sula, Honduras



Sophia Sandwall and Roberto Jerez (Robertito and Olivia)

Lessons Learned

- Level of development, social, *political* conditions are critical to success
- Each project is unique and has its own associated learning curve
 - **Importing?!**



CT Scanner arriving at hospital in Bolivia

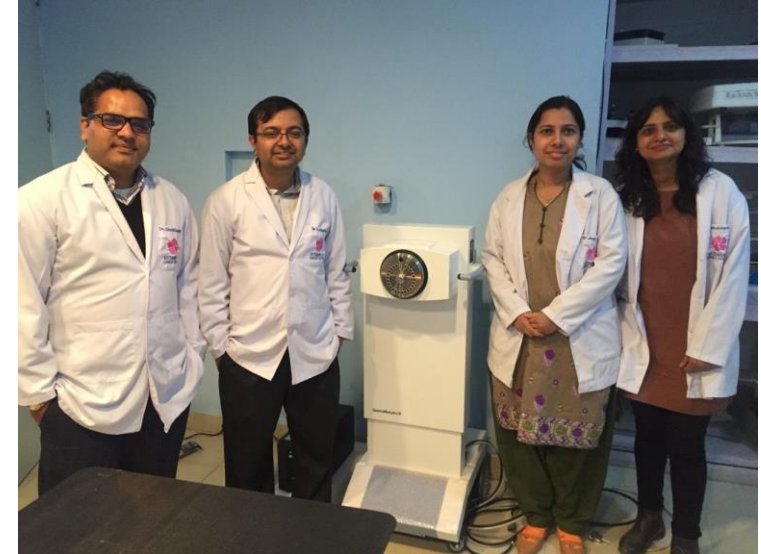


Roger Quiroga, mi primo



Lessons Learned

- Return on investment is optimized when aid is provided to those with skin in the game; partnerships with private centers can be extremely productive
- Training is an essential element...



Subhas Pandit, 2nd from left and team in Nepal



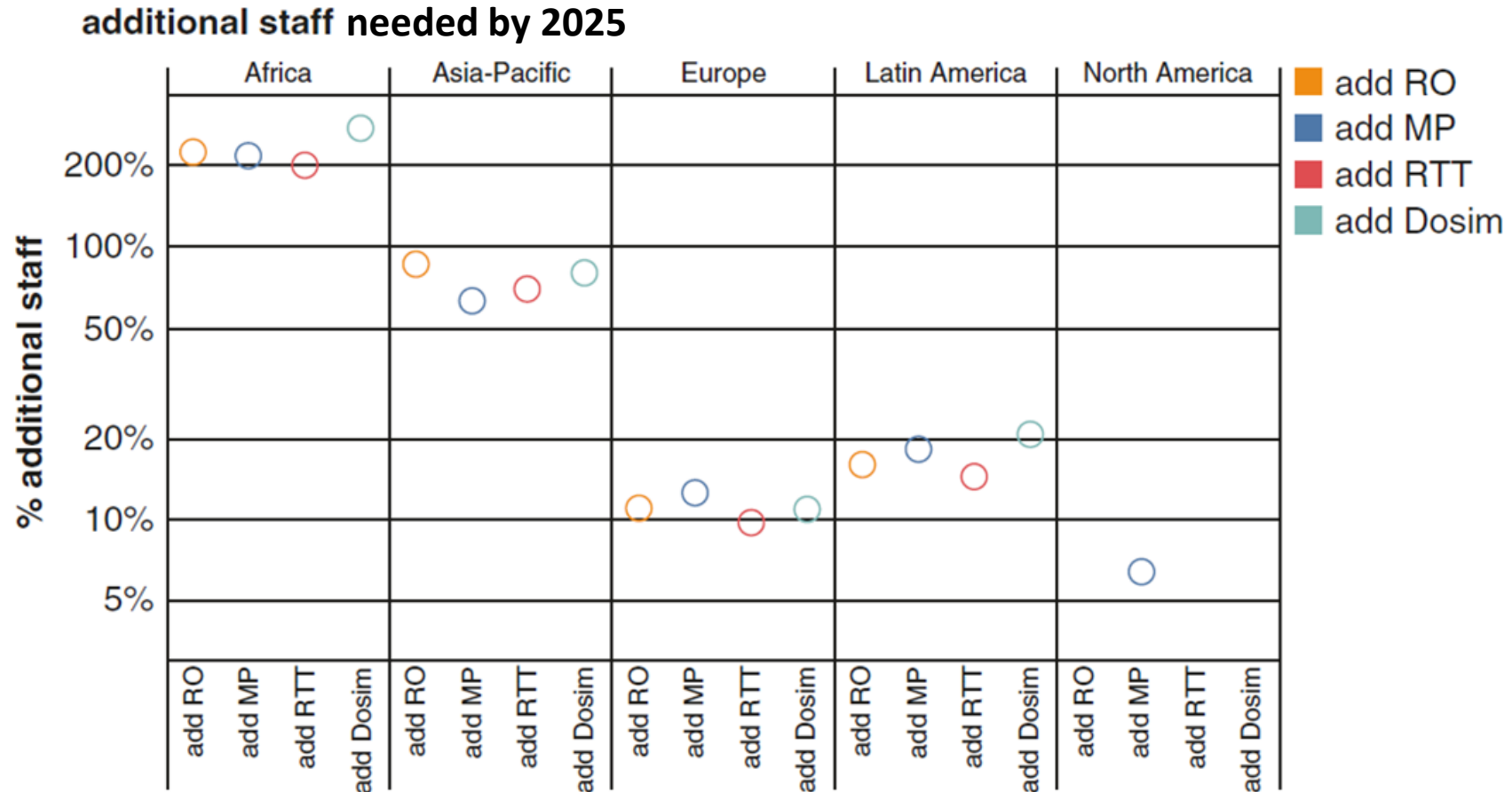
Kathmandu Cancer Center



Celebration of their 200th HDR treatment



Obstacles



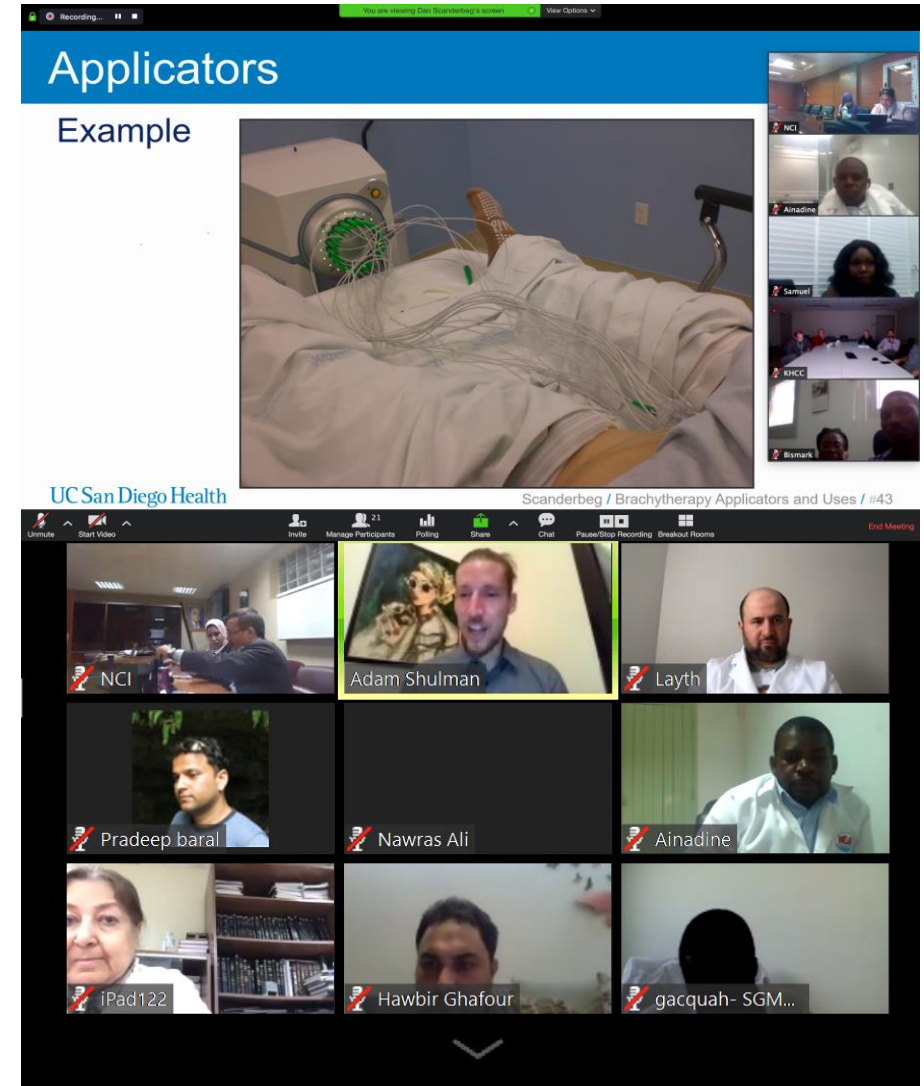
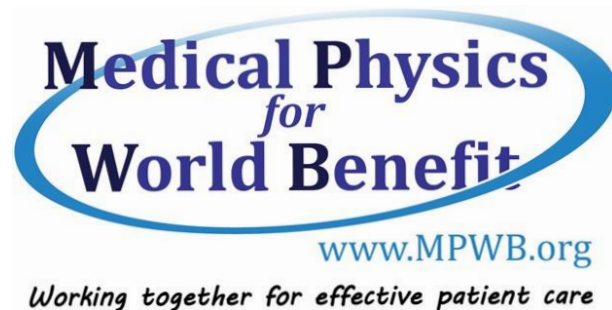
Abdel-Wahab, May, et al. "Radiation Oncology in Global Health." *Radiology in Global Health*. Springer, Cham, 2019. 349-360.

- Without trained staff, equipment can not help...



Opportunities

- Challenges in Global Health are multifaceted, they will be solved by a combination of individual initiative and **cooperative effort**.
- With manufacturers, and through coordination between organizations...



Adam Shulman, leading Brachytherapy Curriculum



Opportunities

- Ubuntu, “I am because we are,” has been advanced as a collaborative model for sustainable improvements in global health.
- Helping to **facilitate connections** within regions and nations, and between organizations and individuals, is an **opportunity** *for those engaged and interested in engaging* in Global Health.



Tom Ladd and Tonya Steiner



Luis Revilla, Mayor of La Paz Bolivia



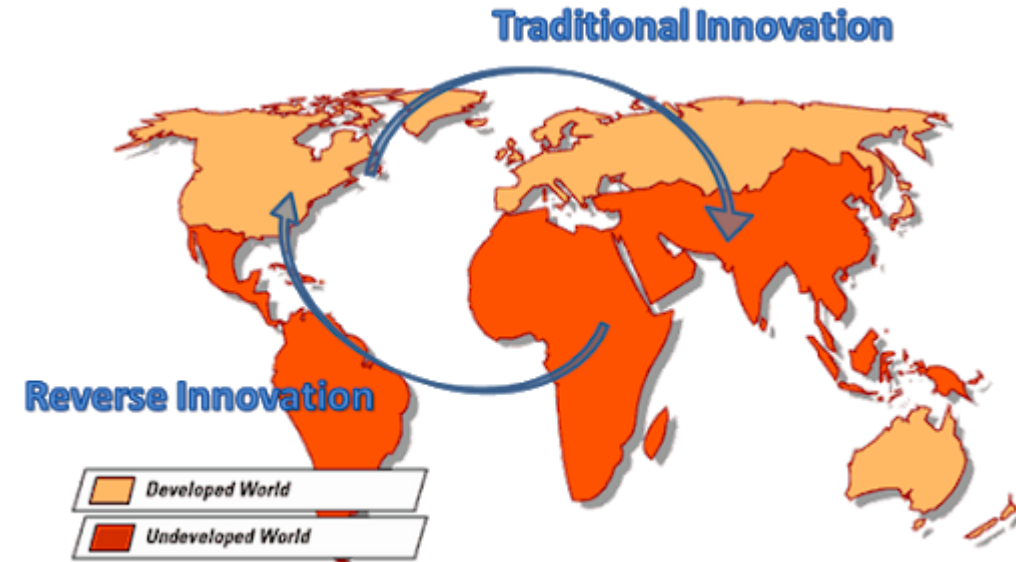
How can I get involved?



Visiting a country,

REACH OUT – CONNECT – COLLABORATE

Try joining the Rotary...



Govindarajan, Vijay, and Ravi Ramamurti. *Reverse Innovation in Health Care: How to Make Value-Based Delivery Work*. Harvard Business Press, 2018.

